

Study Plan-1 (Geography)

[25.11.21 to 16.12.21]

Test 1 [Mains-1] – 29.11.21

Syllabus- Salient features of world's physical geography

Primary Source: NCERT Class-XI – Fundamentals of Physical Geography

Secondary Source: Certificate Physical and Human Geography [Goh Cheng Leong]

Additional Reference: Officers IAS Academy Mains Mantra Geography Material

Topics to be focused

1. Interior of the earth
2. Continental Drift theory
3. Plate tectonics
4. Fold and block mountain formation
5. Weathering
6. Erosional landforms
7. Depositional landforms
8. Structure and composition of atmosphere
9. Heat budget
10. Temperature inversion
11. Air mass
12. Monsoon (also concentrate on El Nino, Indian ocean dipole and El Nino Modoki)
13. Local winds
14. Jet streams
15. Ocean relief features (particularly Trenches and Ridges)
16. Ocean Currents
17. Ocean water Salinity
18. Tides

Test 2 [Mains-2] – 02.12.21

Syllabus (Part 1):

- Distribution of key natural resources across the world (including South Asia and the Indian subcontinent); factors responsible for the location of primary, secondary, and tertiary sector industries in various parts of the world (including India).

Primary Source:

- NCERT Class XII – Fundamentals of Human Geography (Unit- III : Chapter- 5,6,7)
- NCERT Class-XII – India-People and Economy (Unit-III : Chapter- 7,8)

Secondary Source:

- Indian and World Geography (D R Khullar) - Page No (I.207-I.223, II.91-II.97, II.99, II.101-II.118, II.119-II.146)

Topics to be focused :

Distribution of Key Natural Resources:

1. Iron ore (Both India and World)
2. Copper (India)
3. Uranium and Thorium (India and World)
4. Coal (India and World)
5. Petroleum and Mineral Oil (India and World)
6. Nuclear Energy Resources (India)
7. Solar Energy (India and World)
8. Geo thermal Energy.
9. Wind Energy
10. Tidal Energy
11. Energy and Mineral Resources of the Ocean.

Locational Aspect of Industries:

1. Factors responsible for the location of industries
2. Weight gaining industries (Market oriented industry)
3. Weight losing industries (Raw material oriented industry)

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4. Cotton textile industries (India and World)
5. Jute textile industries (India)
6. Sugar industries (India)
7. Iron and steel industries (India and World)
8. Automobile industries (India and World)
9. Fertilizer industries (India)
10. Drugs and Pharmaceutical industry (India)
11. Petrochemical industry (India)
12. Footloose industries.

Syllabus (Part 2):

- Important Geophysical phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc.

Primary Source:

- NCERT Class-XI – Fundamentals of Physical Geography [Pg-22 to 29,32,33,52 to 54,94 to 96,]
- NCERT Class-XI- India: Physical Environment [Chapter-7]

Secondary Source:

- Certificate Physical and Human Geography [Goh Cheng Leong- Chapters:3,4,Chapter-14(pg-112,113)]
- Officers IAS Academy Mains Mantra Geography Material.

Additional Reference:

- NDMA Website.

Topics to be focused:

1. Earthquakes,
 - Locational aspect of Earthquake
 - Man-Made Earthquake
 - Earthquake as a geomorphic agent
 - Shadow zones
 - Intensity Vs Magnitude
2. Tsunami [Also Seiches],

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3. Volcanic activity
 - Types of volcanoes
 - Volcanic Landforms [Both Extrusive & Intrusive]
 - Locational aspect of Volcanoes [e.g. Pacific Ring of Fire]
4. Cyclone [Both Tropical and Temperate]
5. Landslide [All types of Mass Wasting / Movement]
6. Flood [including Urban Flood]

Test 3 [Prelims-1] – 06.12.21

Syllabus: World Physical Geography – 1

Physical Geography – World:

1. Introduction:

1. Origin of universe and solar system
2. Basic facts about Earth and Earth's movement
3. Season Cycles
4. Latitude, Longitude and related concepts

2. Geomorphology:

1. Geological Time Scale
2. Structure of Earth
3. Continental Drift Theory
4. Plate Tectonic
5. Orogenesis
6. Volcanic activity
7. Earthquake
8. Tsunami
9. Weathering
10. Erosional Landforms
11. Depositional Landforms

Primary Source:

- NCERT Class-XI – Fundamentals of Physical Geography
- NCERT Class – VI – The Earth : Our Habitat

Secondary Source:

- Certificate Physical and Human Geography or
- Indian and World Geography (D R Khullar).

Additional Reference:

- OIA Handout / Printed Material

Test 4 [Prelims-2] – 09.12.21

Syllabus: World Physical Geography - 2

1. Climatology:

1. Origin and evolution of atmosphere
2. Structure and composition of atmosphere
3. Insolation and its variation
4. Atmospheric Temperature
5. Atmospheric Pressure
6. Cyclones (Tropical and Temperate)
7. Wind and Global circulation
8. Monsoonal mechanism
9. Hydrological Cycle
10. World Climate

2. Oceanography:

1. Bathymetry / ocean bottom topography
2. Salinity
3. Ocean water temperature
4. Ocean currents
5. Tides

Primary Source:

- NCERT Class-XI–Fundamentals of Physical Geography

Secondary Source:

- Certificate Physical and Human Geography or
- Indian and World Geography (D R Khullar).

Test 5 [Prelims-3] – 13.12.21

Syllabus: Human Geography [World and India]

Socio Economic Geography (Human Geography) – World

1. World Population – Growth , Distribution and problems
2. Settlement
3. Migration
4. Agriculture
5. Natural Resources
 - a. Mineral Resources
 - b. Energy Resources
6. Industries
7. Transport

Socio Economic Geography (Human Geography) – India

1. Population
2. Agriculture
3. Irrigation
4. Natural Resources
 - a. Mineral Resources
 - b. Energy Resources
5. Manufacturing Industries
6. Transport and Communication.

Primary Source:

- NCERT Class XII – Fundamentals of Human Geography [Full Book]
- NCERT Class-XII – India-People and Economy [Full Book]

Secondary Source:

- Indian and World Geography (D R Khullar)

Test6 [Prelims-4] – 16.12.21

Syllabus: Indian Physical Geography

1. Basic Facts (India)
2. Physiographic divisions of India
3. Drainage System of India
4. Indian Climate
5. Natural Vegetation of India
6. Soils (India)

Primary Source:

- NCERT Class-XI- India: Physical Environment

Secondary Source:

- Indian and World Geography (D R Khullar)

